

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/001416

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 A42B 1/18**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A42B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KR : IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	KR 0206301 Y1 (Kwon, Young-Uk) 01 December 2000 (Family None) See the whole document.	1, 3, 6 2
Y	US 3,908,199 A (Chai-Kil Lim) 30 September 1975 (Family None) See the whole document.	2
A	US 5,991,916 A (Susie Sierra) 30 November 1999 See the whole document.	1 - 11
A	KR 0246393 Y1 (Kim, Han-Seok) 22 October 2001 (Family None) See the whole document.	1 - 11
A	KR 0213373 Y1 (Park, Hong-Chae) 15 February 2001 (Family None) See the whole document.	1 - 11

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

26 OCTOBER 2004 (26.10.2004)

Date of mailing of the international search report

27 OCTOBER 2004 (27.10.2004)

Name and mailing address of the ISA/KR



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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/001416

Patent document  
cited in search reportPublication  
datePatent family  
member(s)Publication  
date

US 5,991,916 A

30 November 1999

GB 9813144 A0

19 August 1998

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26 June 1997

EP 879002 A1

25 November 1998

AU 671582 B3

29 August 1996